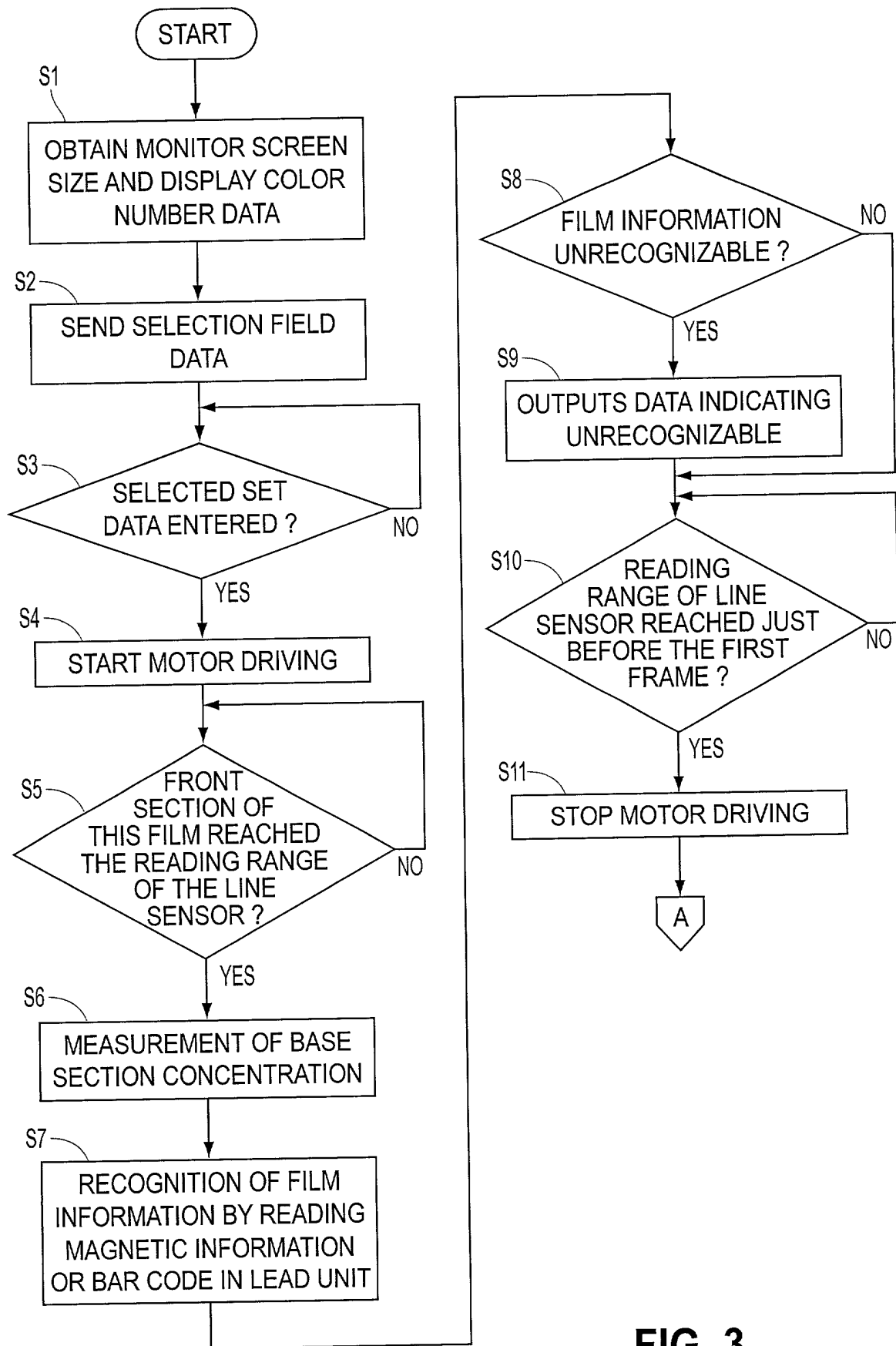
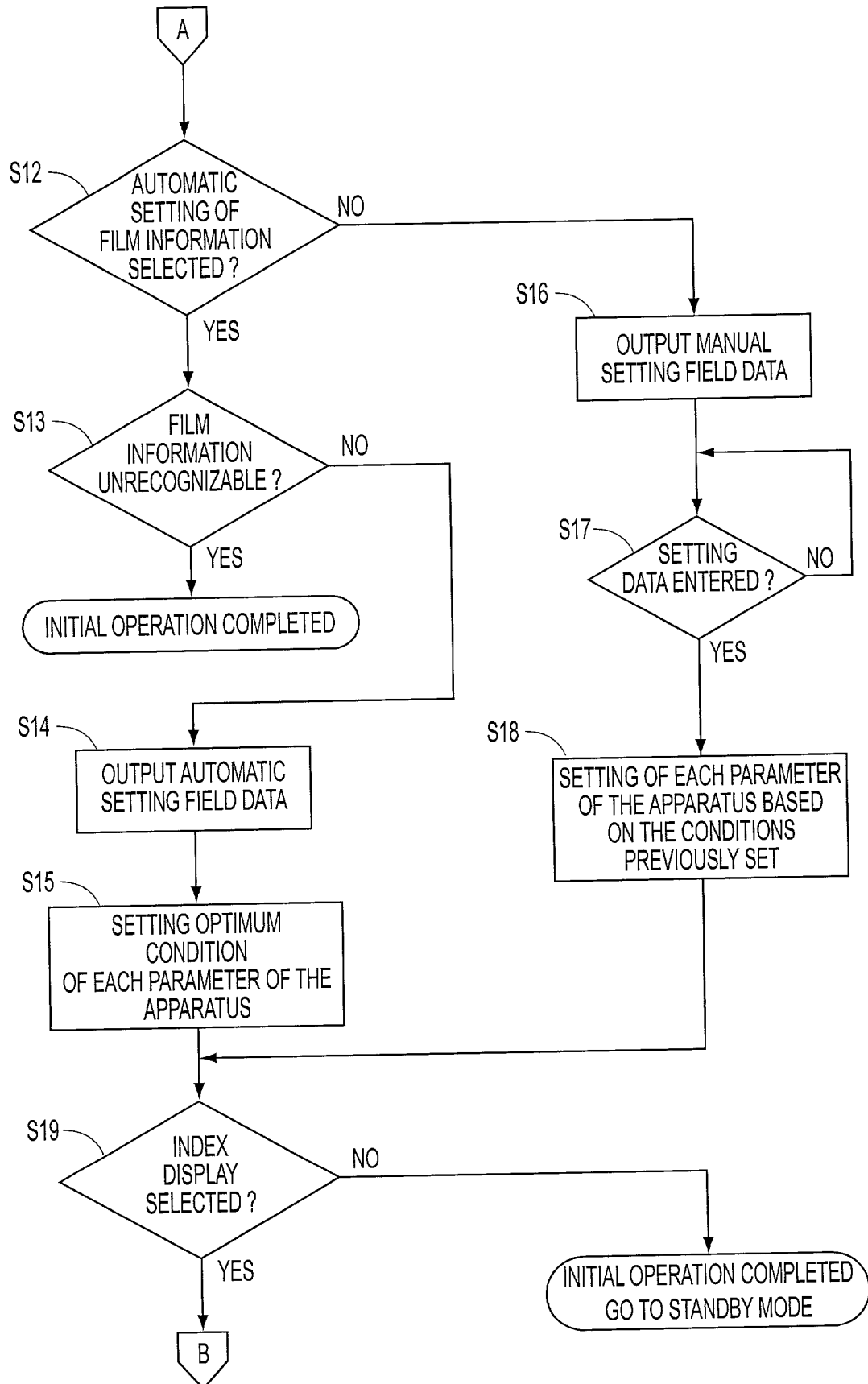


FIG. 2



**FIG. 3**



**FIG. 4**

FIG. 5 (a) is a menu screen. It contains a list of four options, each preceded by a small circle: "FILM INFORMATION", "AUTOMATIC SETTING", "MANUAL SETTING", and "INDEX DISPLAY". To the right of the list is a button labeled "DISPLAY CONTENT" with a right-pointing arrow. At the bottom of the screen are two buttons: "OK" on the left and "CANCEL" on the right.

- FILM INFORMATION
- AUTOMATIC SETTING
- MANUAL SETTING
- INDEX DISPLAY

DISPLAY CONTENT ►

OK CANCEL

**FIG. 5 (a)**

FIG. 5 (b) is a confirmation screen. It contains two options, each preceded by a small circle: "FILM INFORMATION IS UNRECOGNIZABLE" and "ENABLE MANUAL SETTINGS ?". At the bottom of the screen are two buttons: "YES" on the left and "NO" on the right.

- FILM INFORMATION IS UNRECOGNIZABLE
- ENABLE MANUAL SETTINGS ?

YES NO

**FIG. 5 (b)**

- FILM TYPE: COLOR NEGATIVE
- FILM MODEL: COMPANY A XXX4000
- TOTAL NUMBER OF FRAMES: 40

**FIG. 6**

- FILM TYPE: COLOR NEGATIVE
- FILM MODEL: COMPANY A XXX4000
- TOTAL NUMBER OF FRAMES: 40

OK

CANCEL

**FIG. 7**

☐ MAGNETIC INFORMATION ONLY DISPLAY

☐ IMAGE ONLY DISPLAY

1. COMMON CHOICE

1 - 1 FRAME(S) TO BE DISPLAYED

☐ ALL THE FRAMES

☐ ALL THE FRAMES THAT ARE SHOT

☐ H SIZE ONLY

☐ C SIZE ONLY

☐ P SIZE ONLY

☐ HORIZONTAL POSITION ONLY

☐ VERTICAL POSITION ONLY

☐ SELECTION FRAME (SELECTS FROM FRAME TABLE)

FRAME TABLE									
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40

FRAMES SELECTED

1, 2, 3, 4, 5, 6, 7, .....

1 - 2 ORDER OF DISPLAY

☐ FROM THE FIRST TO THE LAST FRAME IN ORDER

☐ FROM THE LAST TO THE FIRST FRAME IN REVERSE ORDER

☐ IN THE ORDER OF SELECTION FROM THE FRAME TABLE

☐ IN THE ORDER OF PRINT SIZE

1.  2.  3.

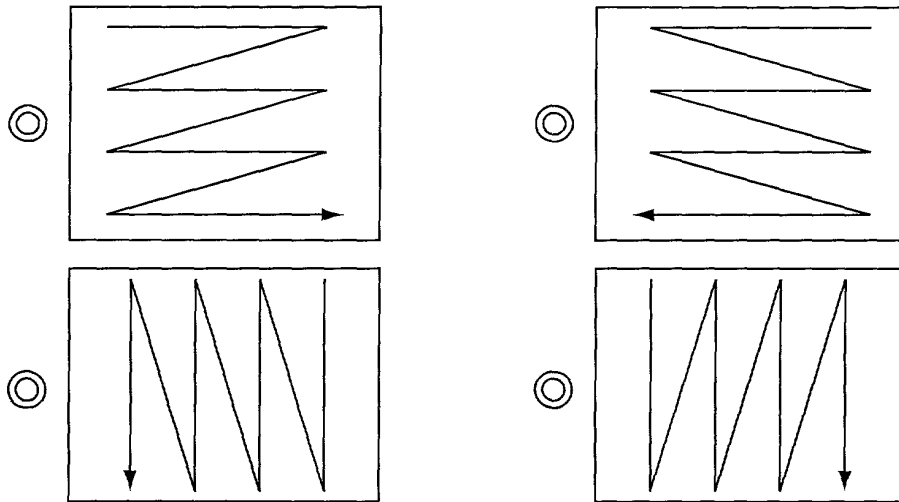
☐ IN THE ORDER OF TITLE

1 - 3 VERTICAL TO HORIZONTAL RATIO OF DISPLAY

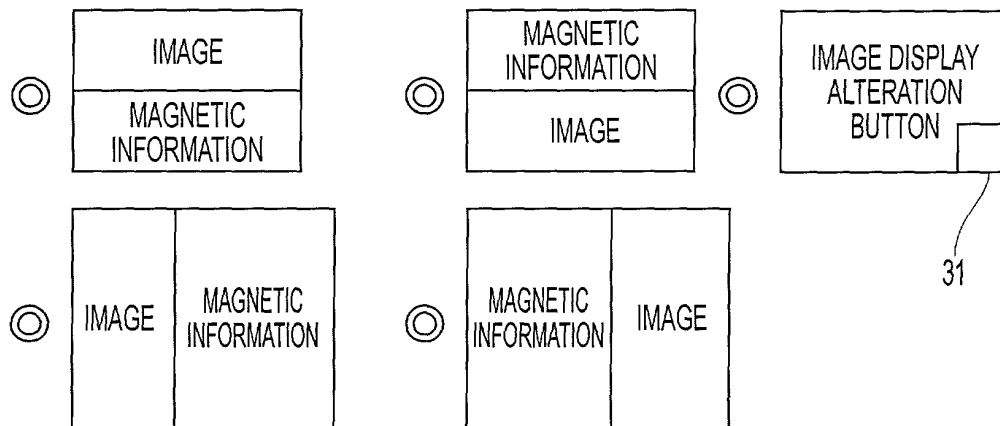
VERTICAL  FRAMES HORIZONTAL  FRAMES

FIG. 8

1 - 4 METHOD OF DISPLAY



1 - 5 METHOD OF SIMULTANEOUS DISPLAY OF MAGNETIC INFORMATION AND IMAGE



31

1 - 6 HIGH SPEED DISPLAY: FRAMES

**FIG. 9**



2. DESIGNATED FRAME MAGNETIC INFORMATION

2 - 1 DISPLAY INFORMATION

☐ DISPLAY ALL

☐ SELECT AND DISPLAY ►

3. DESIGNATED FRAME IMAGE

3 - 1 DISPLAY RANGE

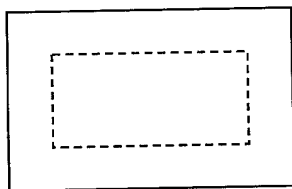
☐ ALL RANGE

☐ DESIGNATED PRINT SIZE

☐ H SIZE

☐ C SIZE

☐ P SIZE



X1:  PIXEL

Y1:  PIXEL

X2:  PIXEL

Y2:  PIXEL

3 - 2 RESOLUTION OF ONE FRAME:  DPI

3 - 3 READING METHOD

☐ HIGH SPEED READING

☐ HIGH QUALITY READING

3 - 4 COLOR DECOMPOSITION

☐ RGB DECOMPOSITION DISPLAY

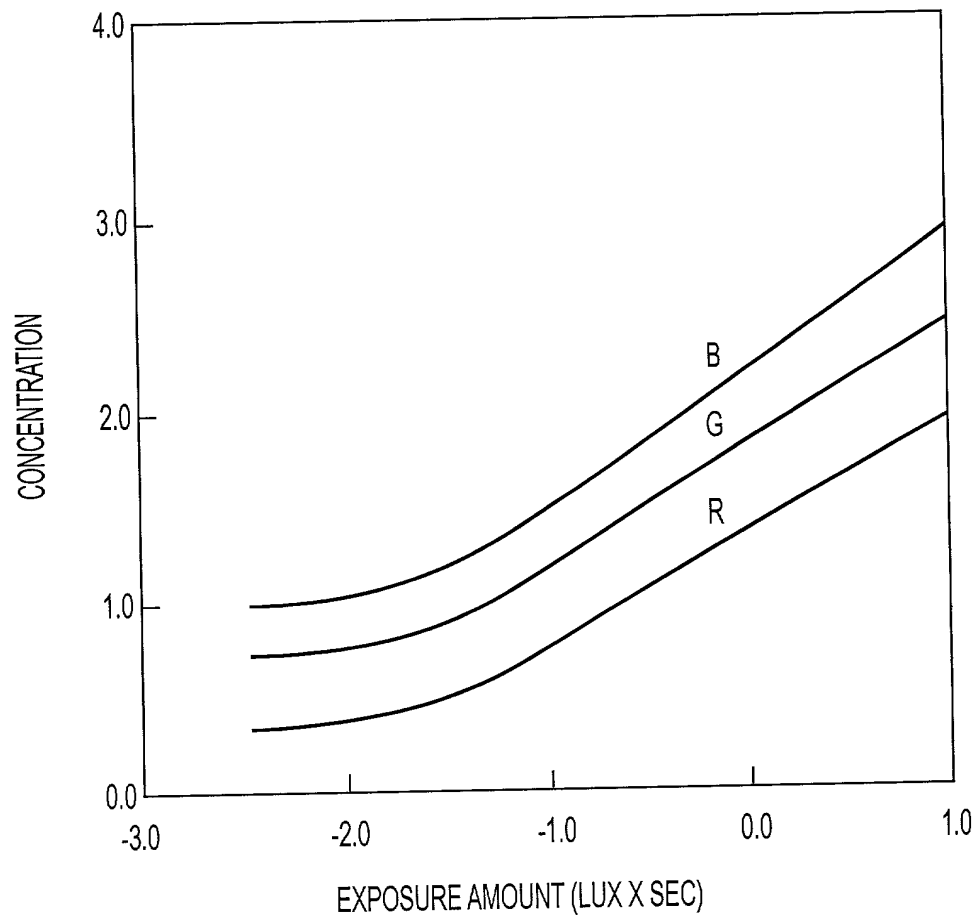
☐ CMY DECOMPOSITION DISPLAY

OK

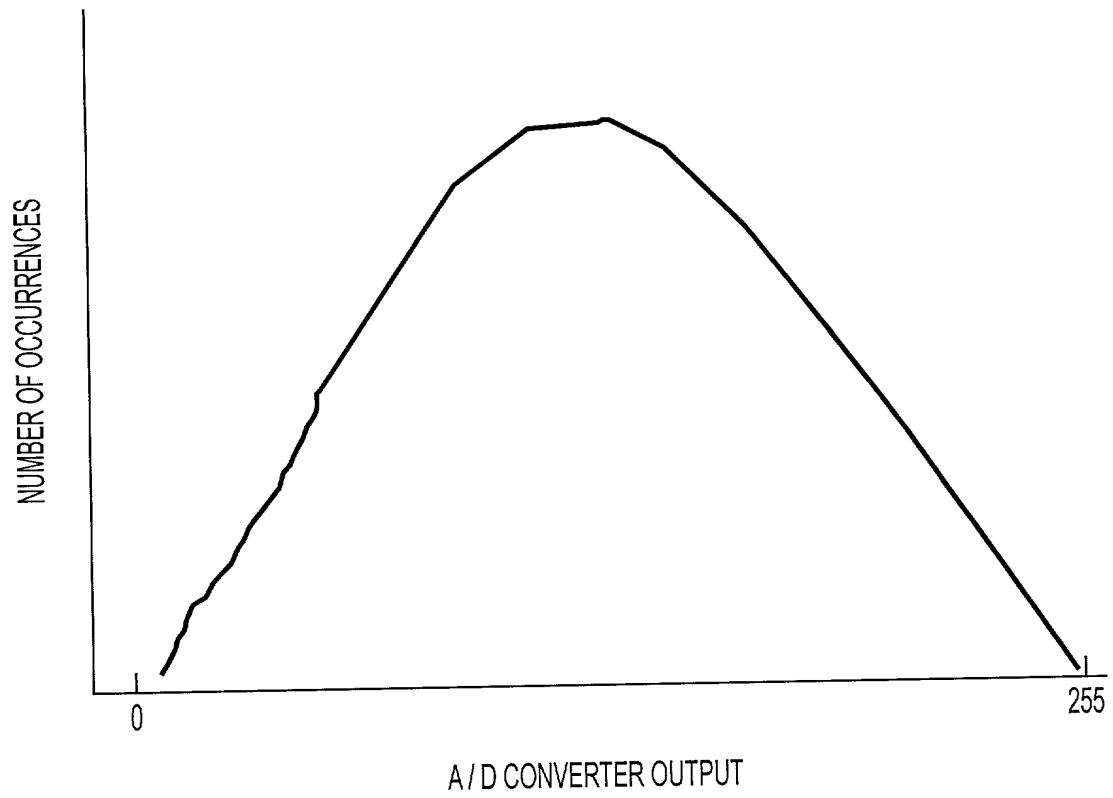
CANCEL

INITIAL  
SETTING

FIG. 10



**FIG. 11**



**FIG. 12**

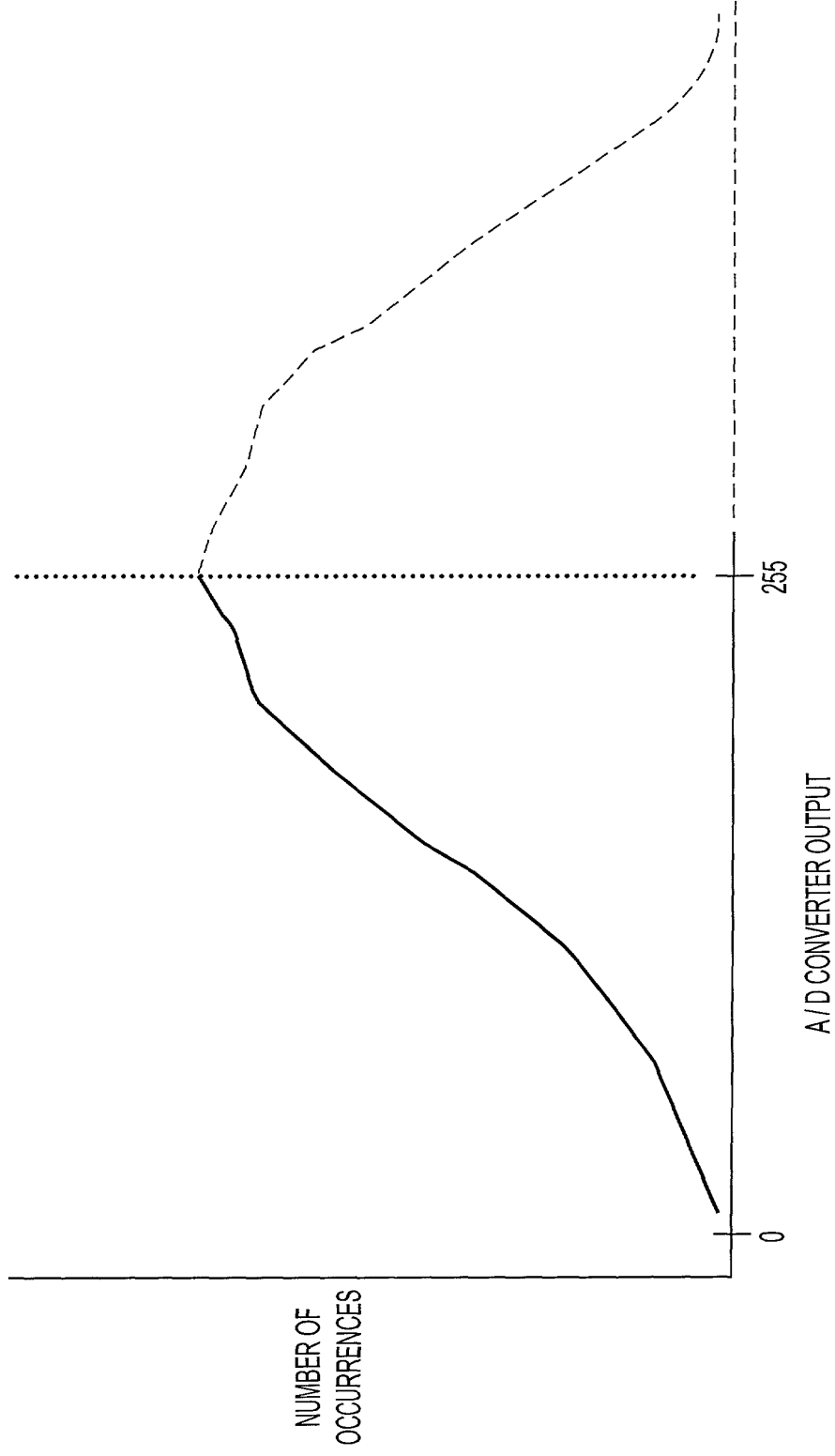


FIG. 13



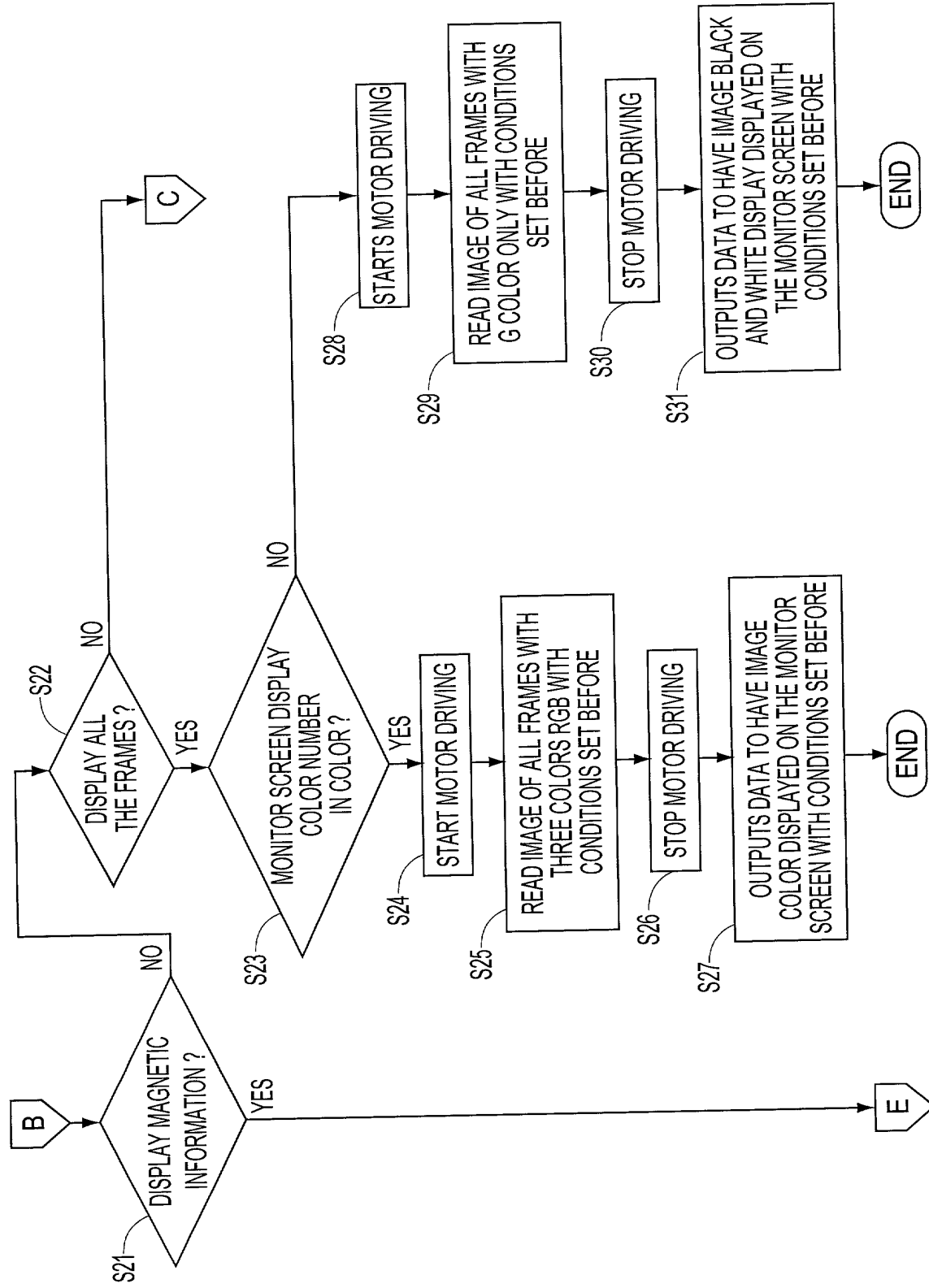


FIG. 15

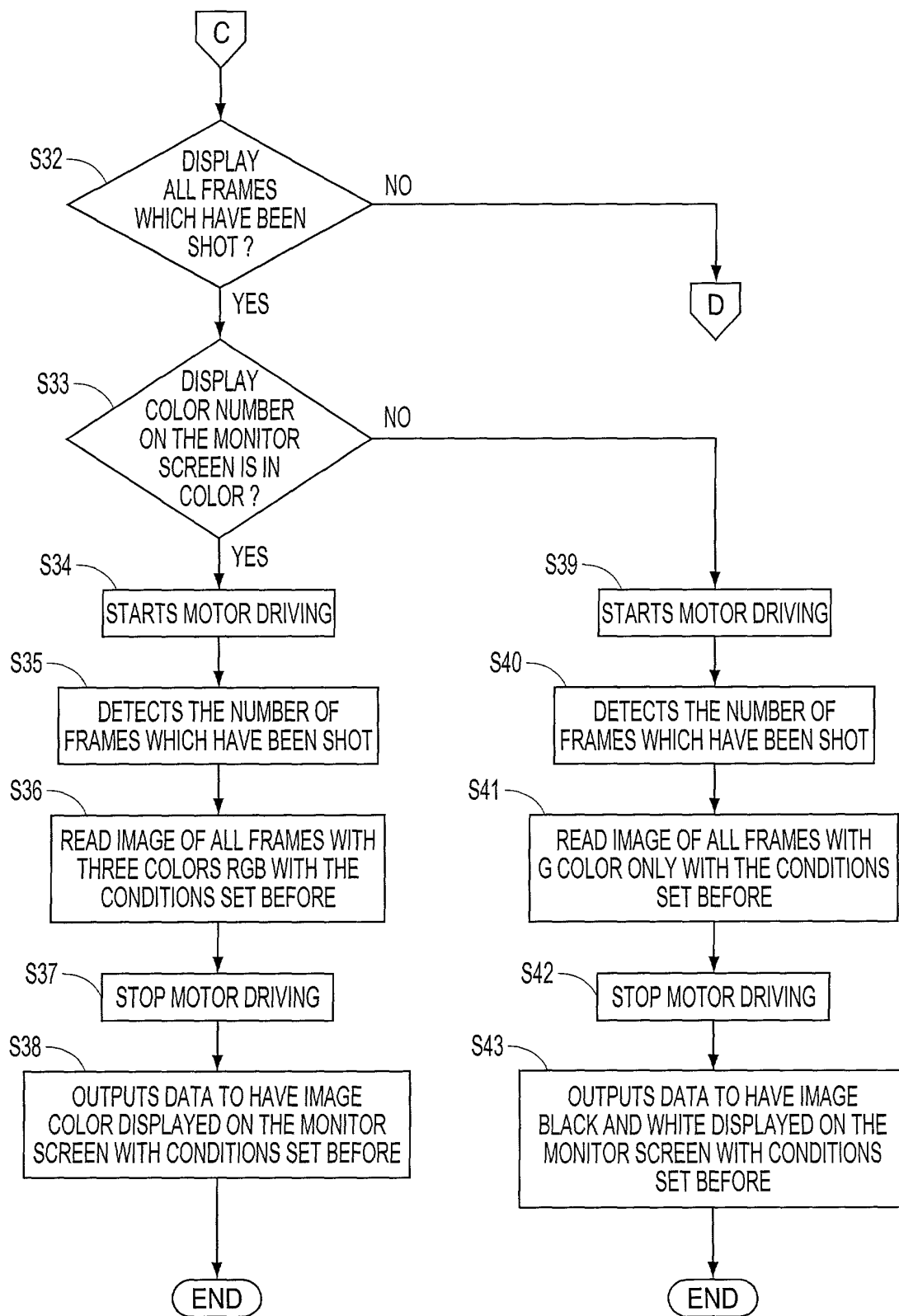
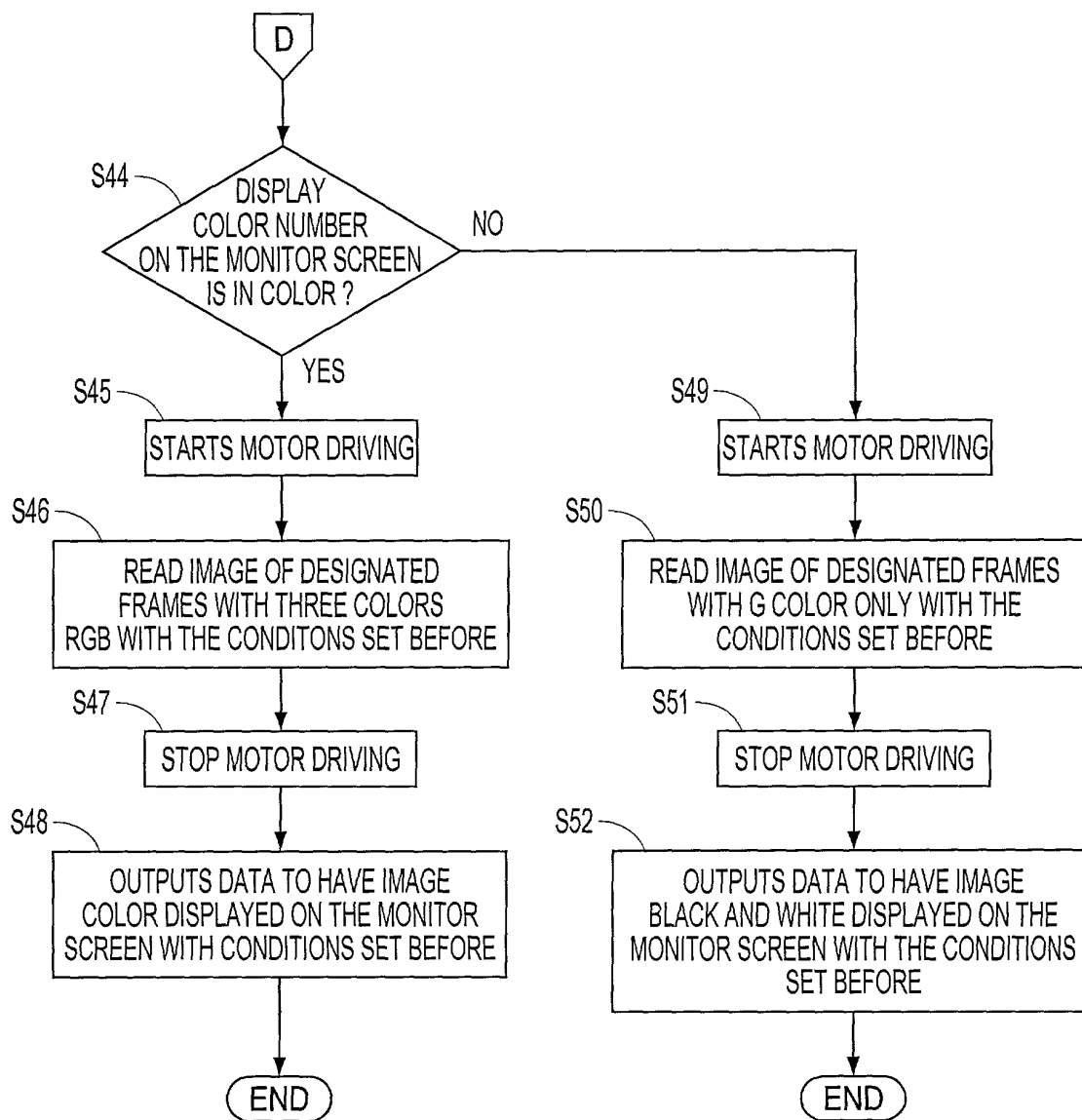
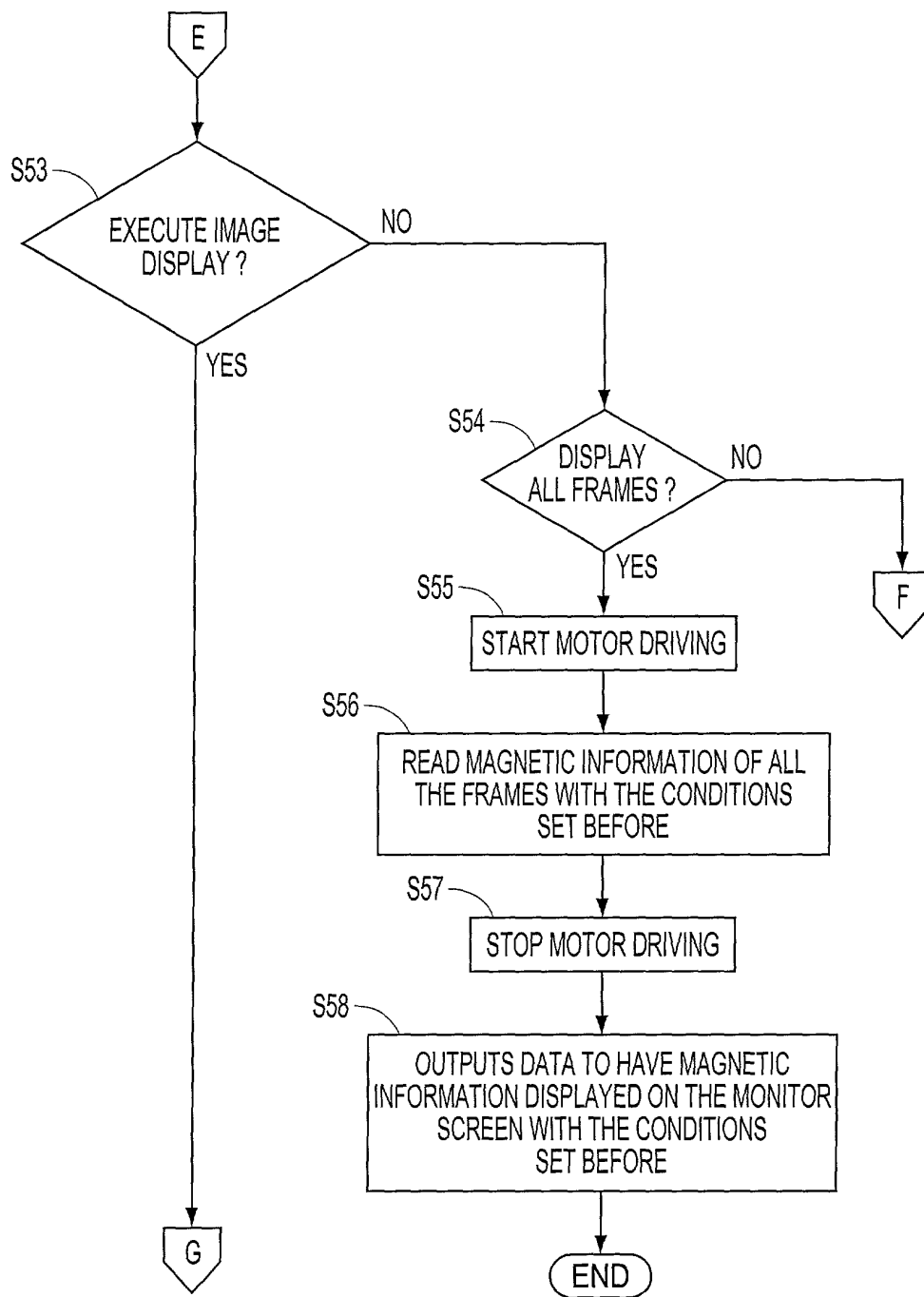


FIG. 16



**FIG. 17**





**FIG. 18**

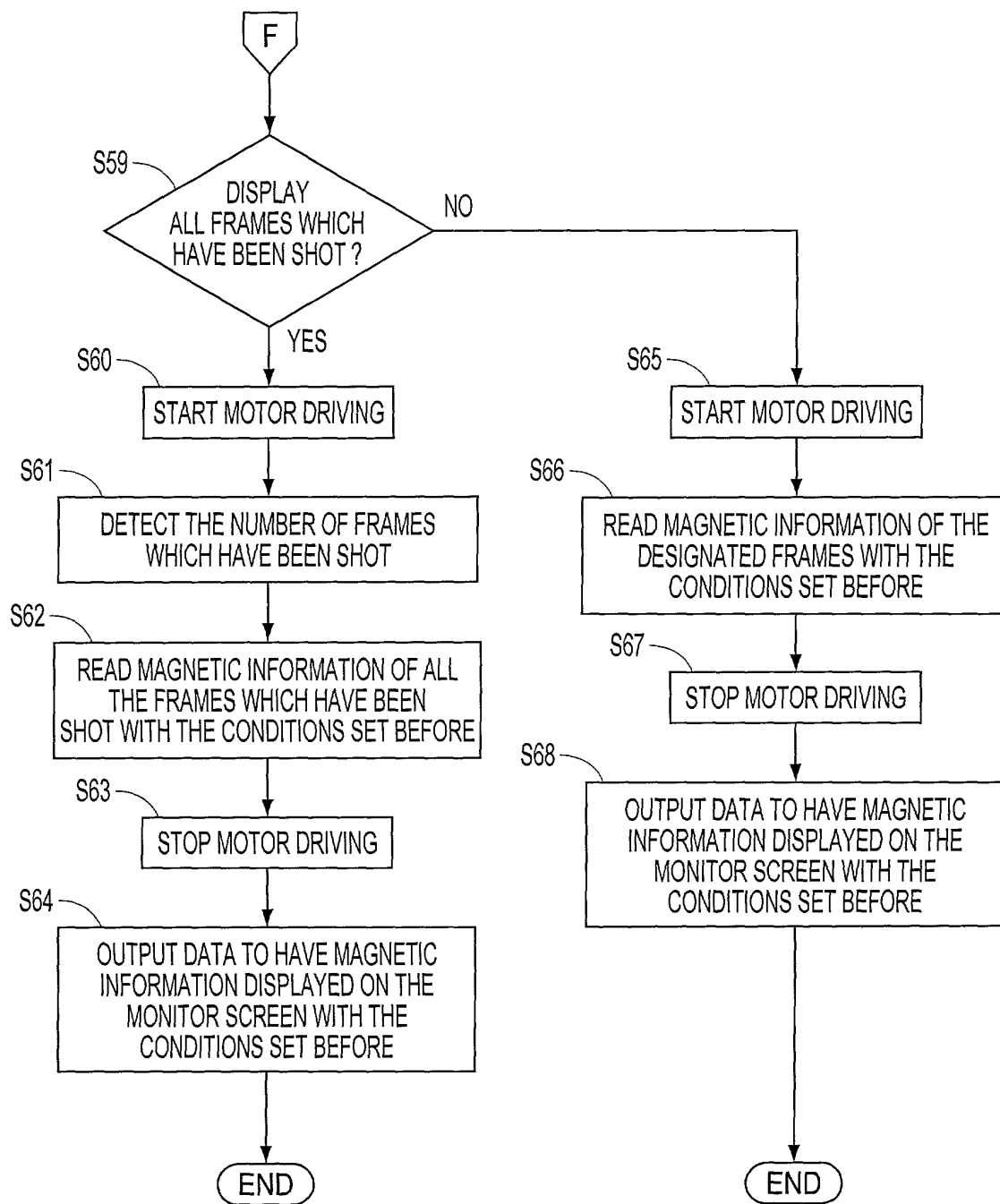


FIG. 19

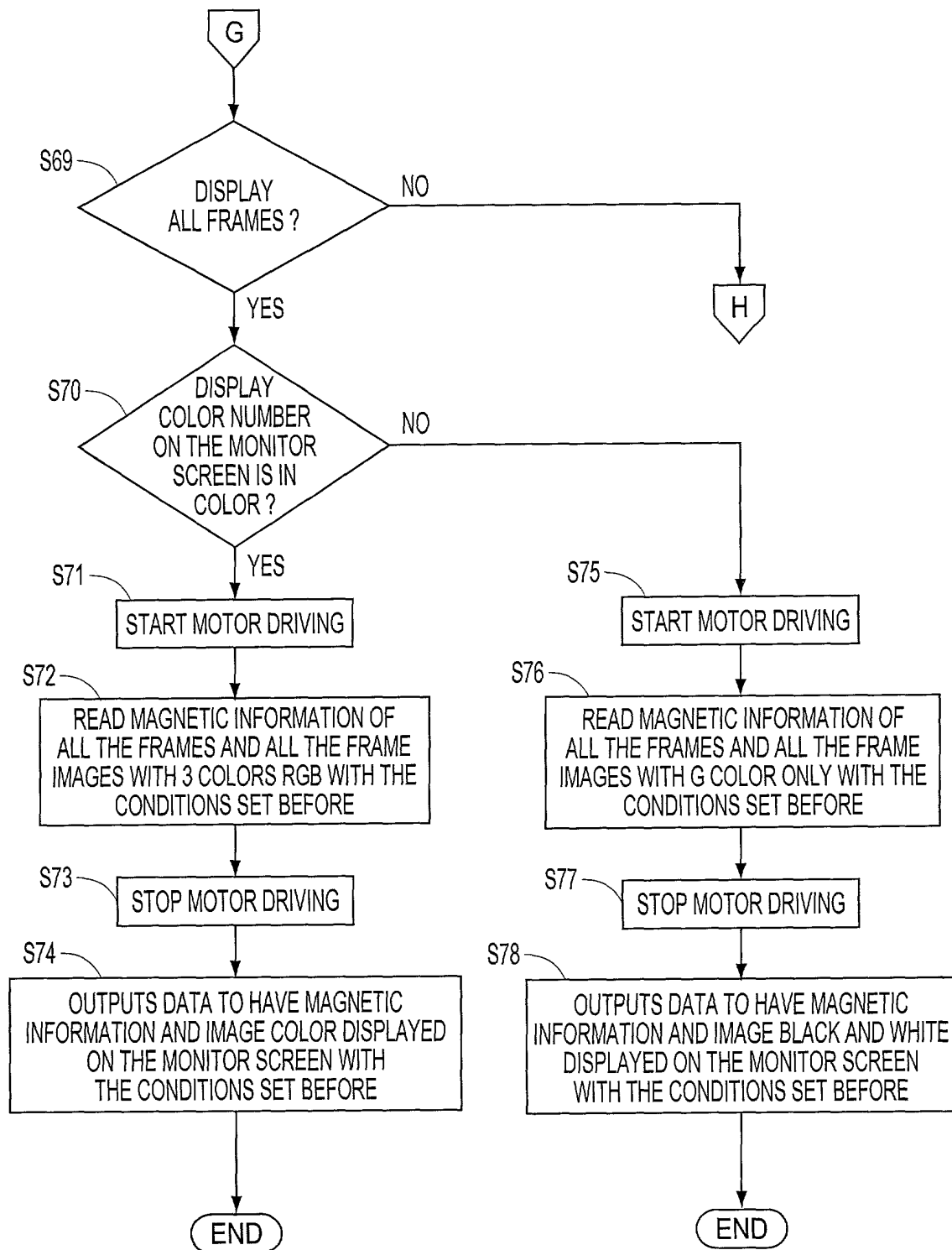


FIG. 20

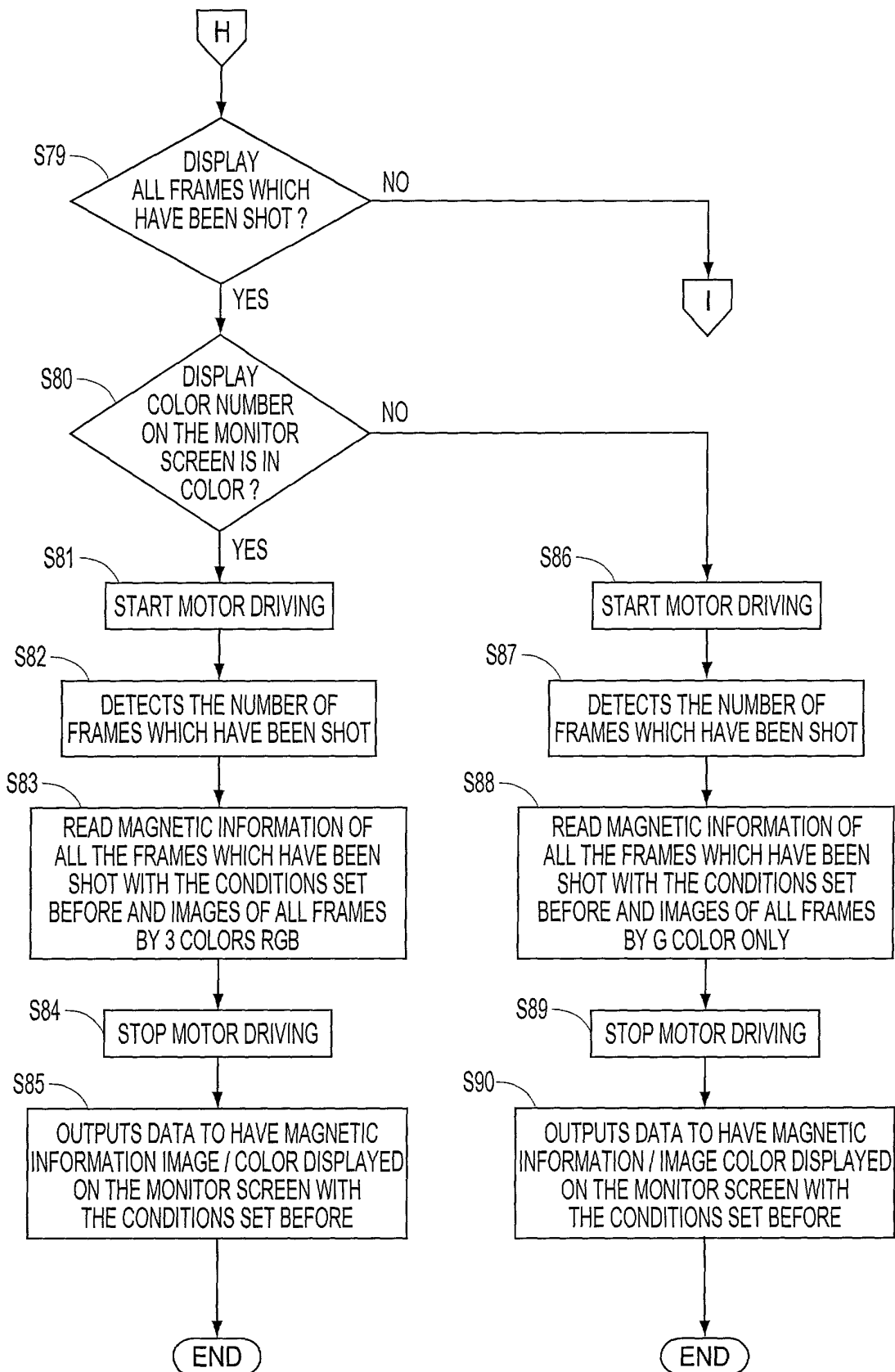


FIG. 21

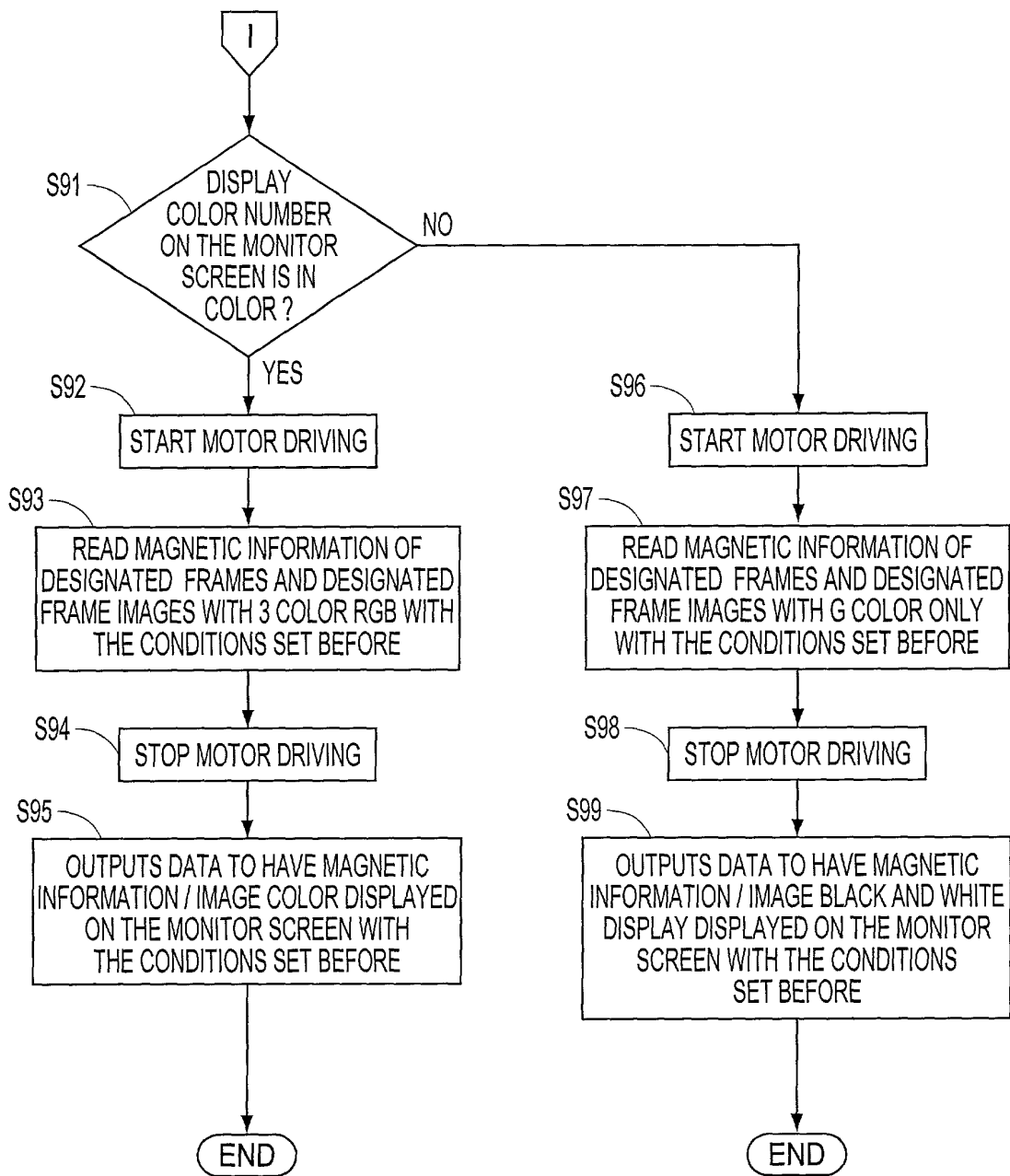
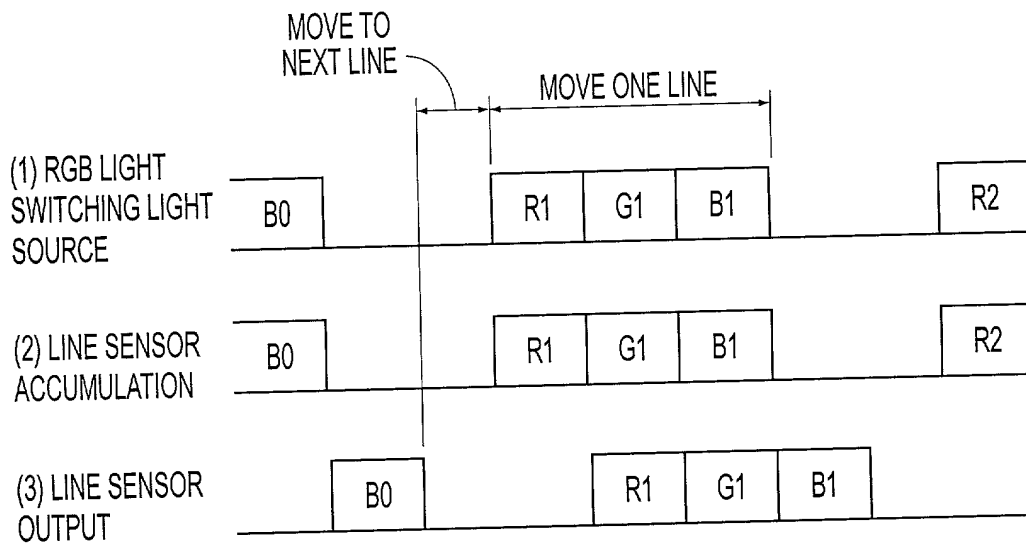
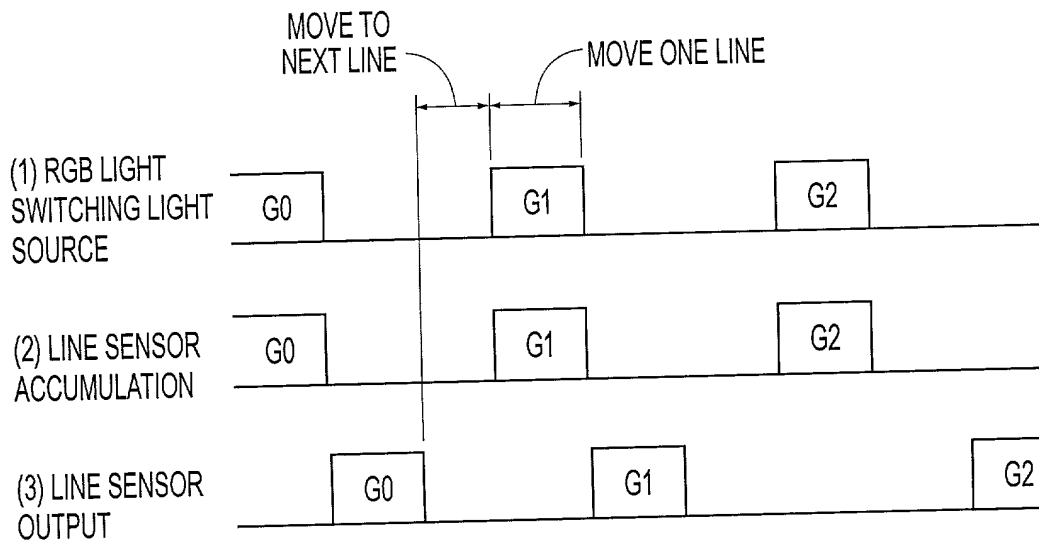


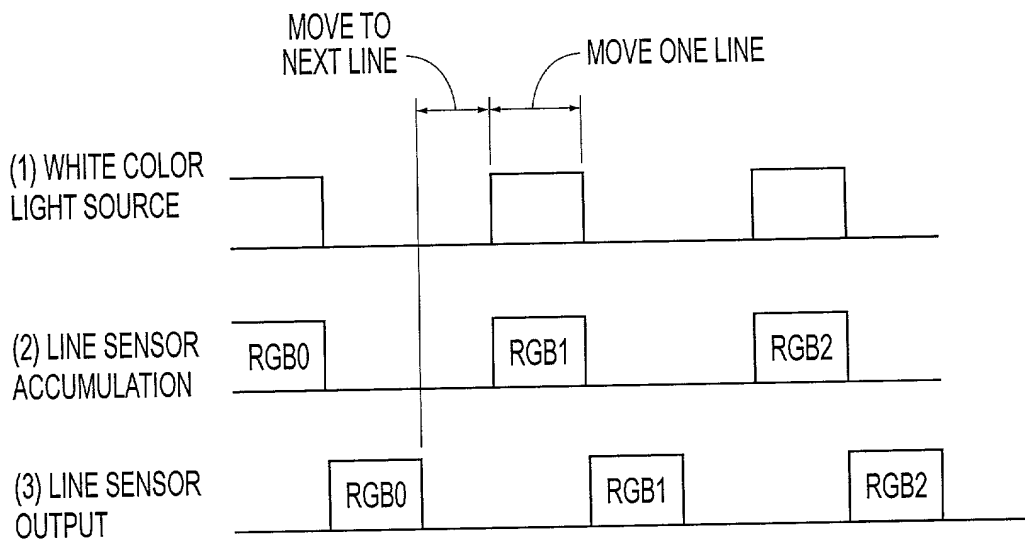
FIG. 22



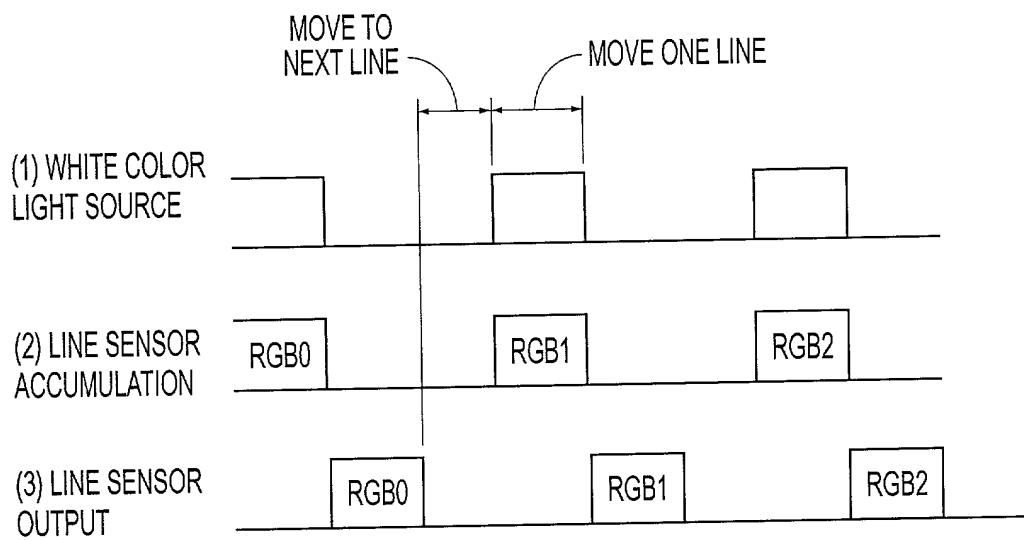
**FIG. 23 (a)**



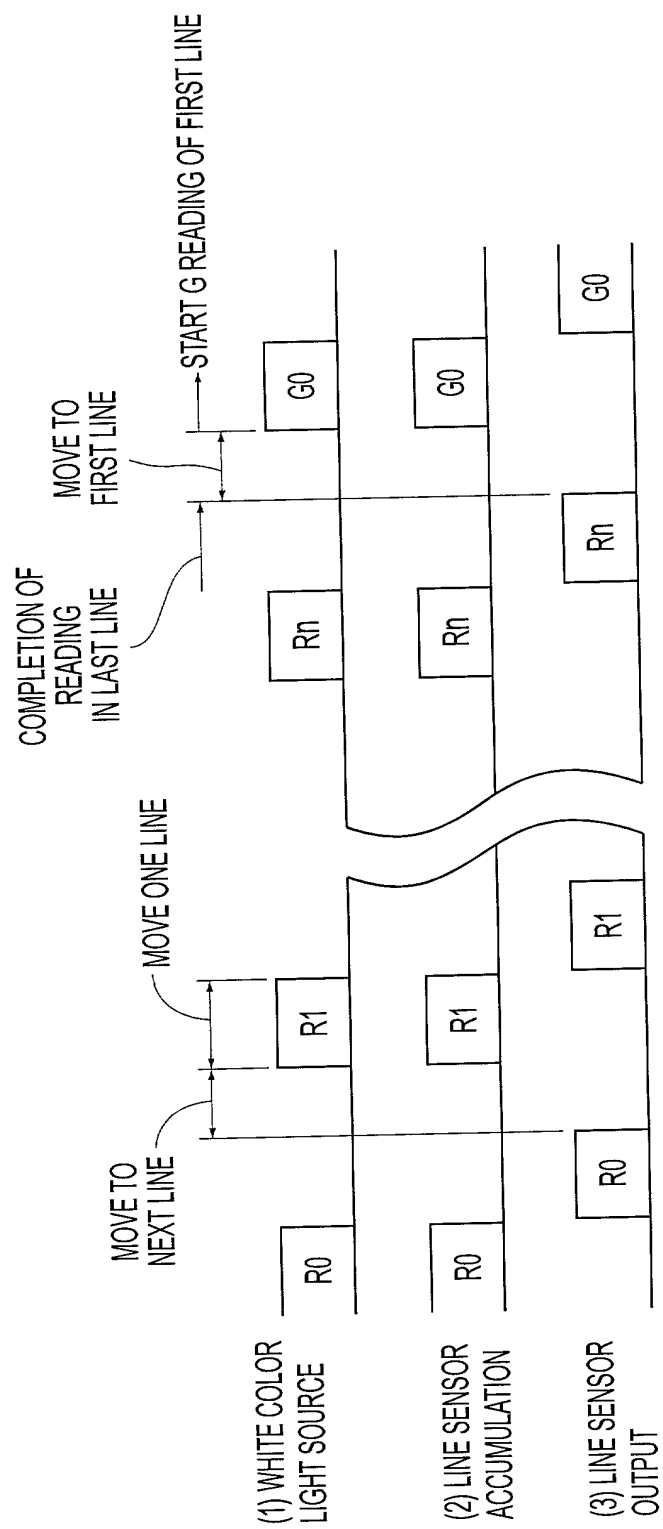
**FIG. 23 (b)**



**FIG. 24 (a)**

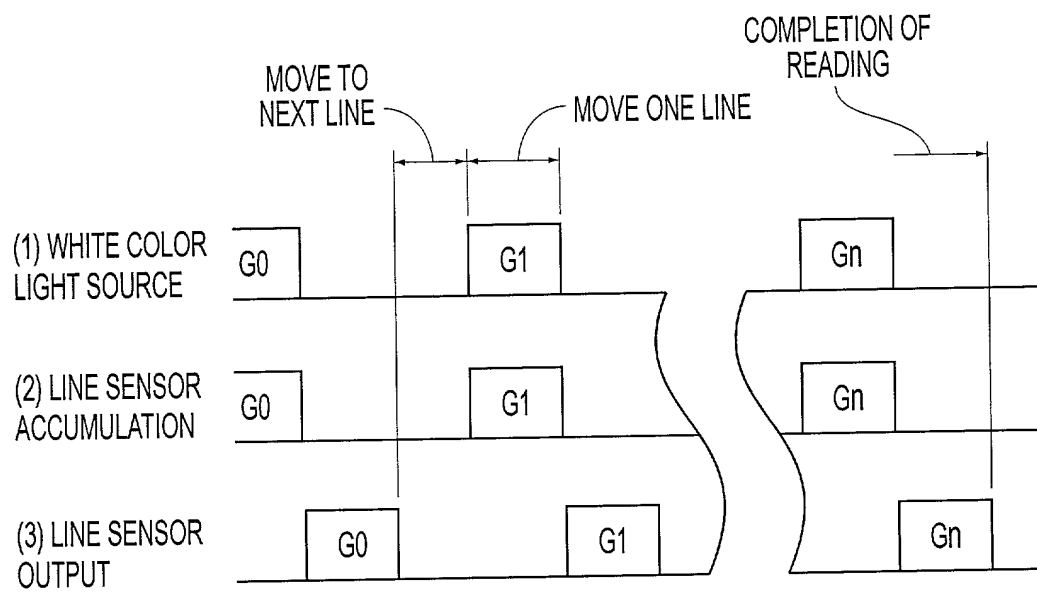


**FIG. 24 (b)**

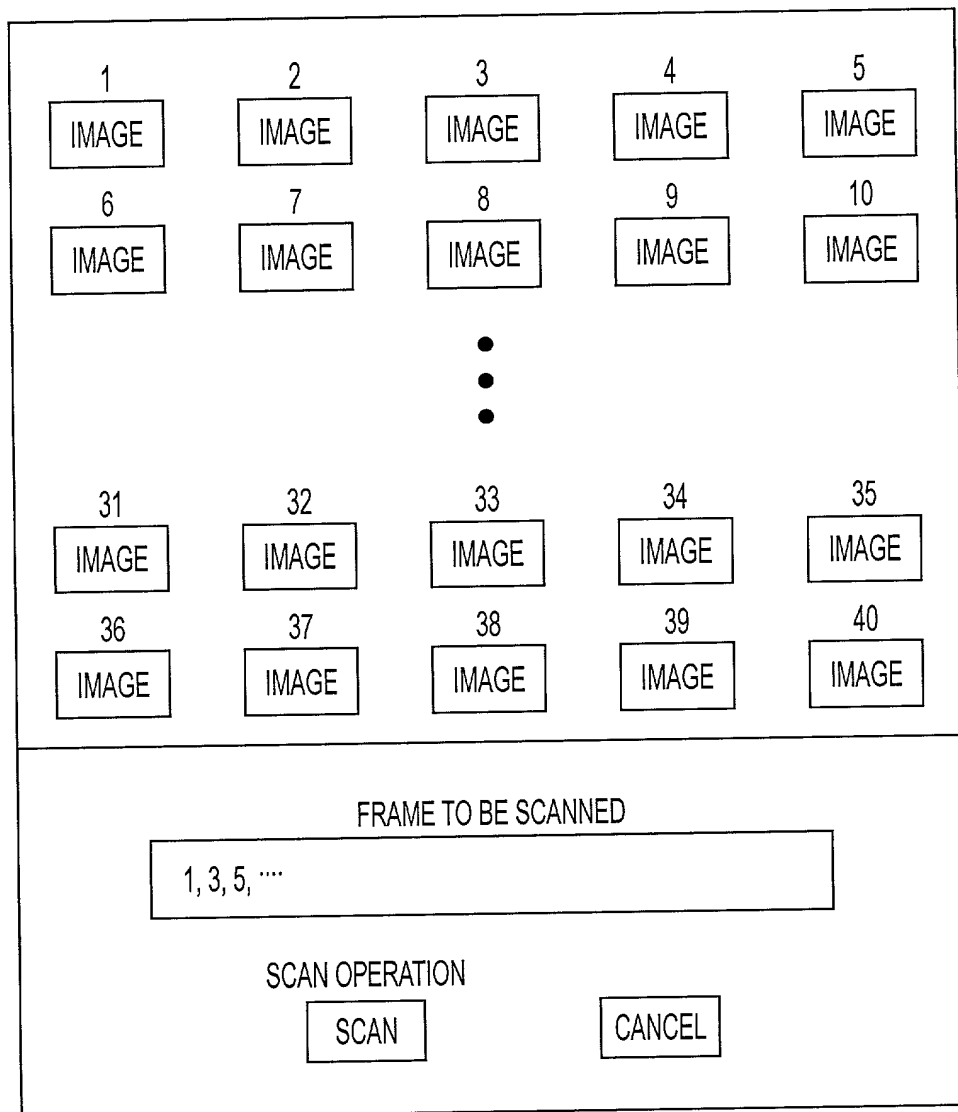


**FIG. 25**





**FIG. 26**



**FIG. 27**

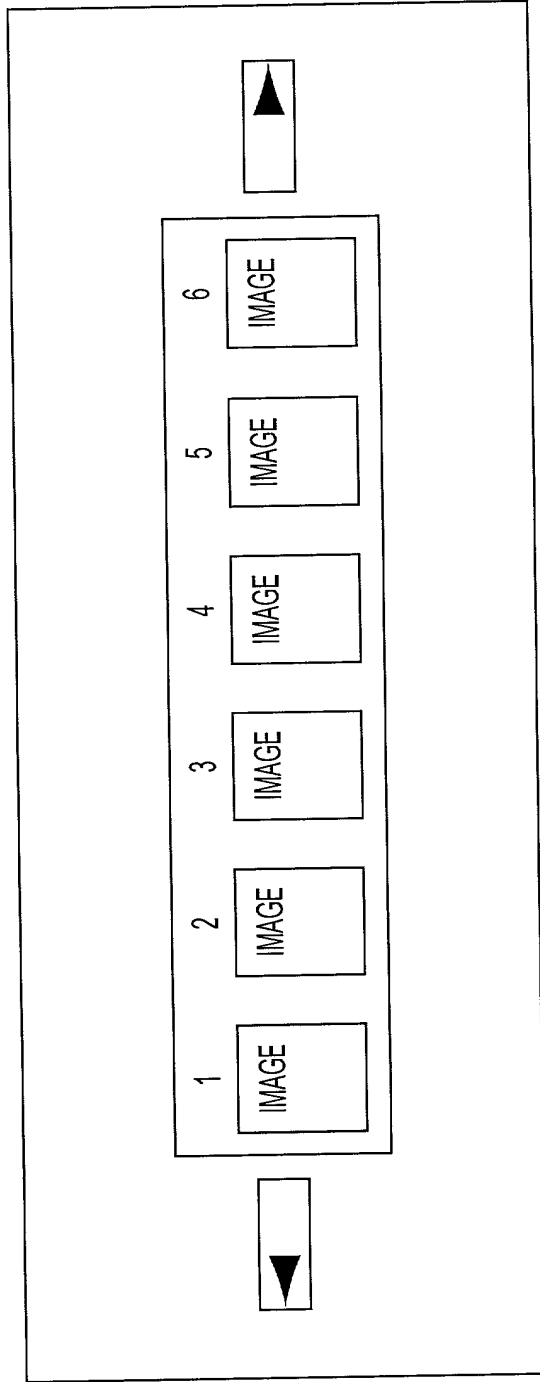


FIG. 28

1 MAGNETIC INFORMATION	2 MAGNETIC INFORMATION	3 MAGNETIC INFORMATION	4 MAGNETIC INFORMATION	5 MAGNETIC INFORMATION
6 MAGNETIC INFORMATION	7 MAGNETIC INFORMATION	8 MAGNETIC INFORMATION	9 MAGNETIC INFORMATION	10 MAGNETIC INFORMATION
⋮				
31 MAGNETIC INFORMATION	32 MAGNETIC INFORMATION	33 MAGNETIC INFORMATION	34 MAGNETIC INFORMATION	35 MAGNETIC INFORMATION
36 MAGNETIC INFORMATION	37 MAGNETIC INFORMATION	38 MAGNETIC INFORMATION	39 MAGNETIC INFORMATION	40 MAGNETIC INFORMATION

FRAME TO BE SCANNED

1, 3, 5, ...

SCAN OPERATION

SCAN

CANCEL

MAGNETIC INFORMATION ALTERATION

KEEP

CANCEL

**FIG. 29**

MAGNETIC INFORMATION

TITLE: ATHLETIC FIELD DAM

DATE SHOT: OCTOBER 10, 1996

SHOOTING CONDITION: STROBE ON

EXPOSURE APPROPRIATE

REVERSED LIGHT

LIGHT SOURCE: FLUORESCENT LAMP

**FIG. 30**

1	2	3	4	5
I	I	I	I	I
MI	MI	MI	MI	MI

⋮

36	37	38	39	40
I	I	I	I	I
MI	MI	MI	MI	MI

FRAME TO BE SCANNED

1, 3, 5, ...

SCAN OPERATION

SCAN

CANCEL

MAGNETIC INFORMATION ALTERATION

KEEP

CANCEL

**FIG. 31**



IMAGE

MAGNETIC INFORMATION

TITLE: ATHLETIC FIELD DAM

DATE SHOT: OCTOBER 10, 1996

SHOOTING CONDITION: STROBE ON

EXPOSURE APPROPRIATE

REVERSED LIGHT: REVERSED LIGHT

LIGHT SOURCE: FLOURESCENT LAMP

**FIG. 32**

MONITOR SIZE	NUMBER OF MONITOR DISPLAY PIXELS	6 FRAMES HORIZONTALLY BY 7 FRAMES VERTICALLY	7 FRAMES HORIZONTALLY BY 6 FRAMES VERTICALLY
15 INCHES	640 X 480	90 DPI	80 DPI
	800 X 600	120 DPI	100 DPI
	1024 X 768	140 DPI	120 DPI
	1152 X 864	160 DPI	140 DPI
	1280 X 1024	180 DPI	160 DPI
	1600 X 1200	200 DPI	180 DPI
17 INCHES	640 X 480	80 DPI	70 DPI
	800 X 600	100 DPI	80 DPI
	1024 X 768	120 DPI	100 DPI
	1152 X 864	140 DPI	120 DPI
	1280 X 1024	160 DPI	140 DPI
	1600 X 1200	180 DPI	160 DPI
20 INCHES	640 X 480	70 DPI	60 DPI
	800 X 600	80 DPI	70 DPI
	1024 X 768	100 DPI	80 DPI
	1152 X 864	120 DPI	100 DPI
	1280 X 1024	140 DPI	120 DPI
	1600 X 1200	160 DPI	140 DPI

**FIG. 33**



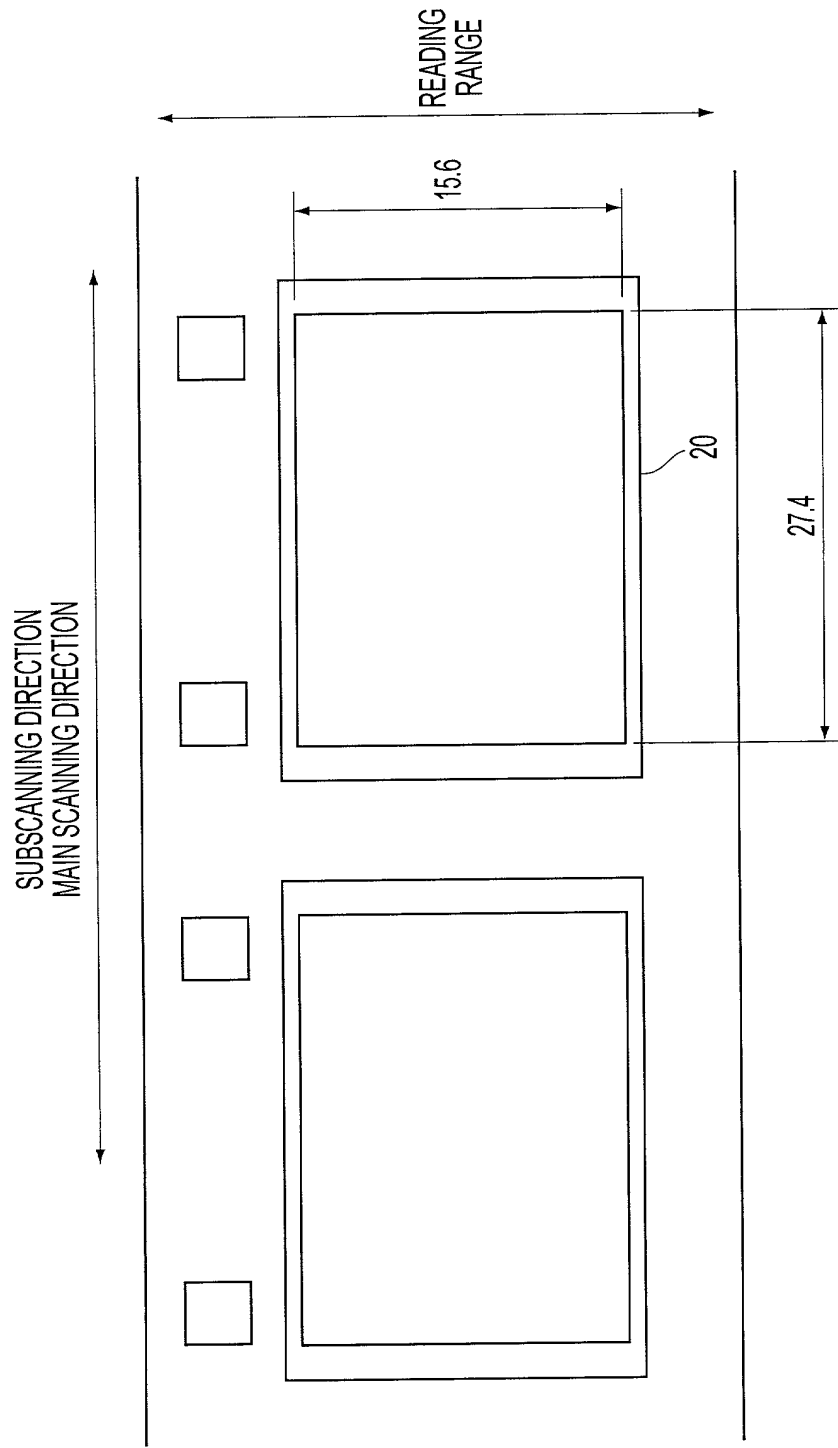


FIG. 34

### READING OPERATION

RESOLUTION	LINE SENSOR USE PIXELS	STEPPING MOTOR FEEDING AMOUNT PER LINE
4070 DPI	ALL THE PIXELS	1 STEP
2035 DPI	1 EVERY OTHER PIXEL	2 STEPS
1356 DPI	2 EVERY TWO PIXELS	3 STEPS
1018 DPI	3 EVERY THREE PIXELS	4 STEPS
814 DPI	4 EVERY FOUR PIXELS	5 STEPS
678 DPI	5 EVERY FIVE PIXELS	6 STEPS

**FIG. 35**

### INTERPOLATION METHOD

A11 A12 A13 A14  
 B11 B12 B13  
 A21 A22 A23 A24  
 B21 B22 B23  
 A31 A32 A33 A34

**FIG. 36**